Remote Control
User Guide

dish NETWORK®

Reference Tables

Write down your remote address, channel numbers/inputs, TV, VCR, DVD player, and stereo equipment codes as you program them for future reference.

Remote Address

Channel or Input for Satellite Programming

If you enter a “1” as the last number of your code, your remote is in Limited Mode (see page 3 for more details).

TV

TV Code

1 (Optional)

DVD

VCR/DVD Player Code

1 (Optional)

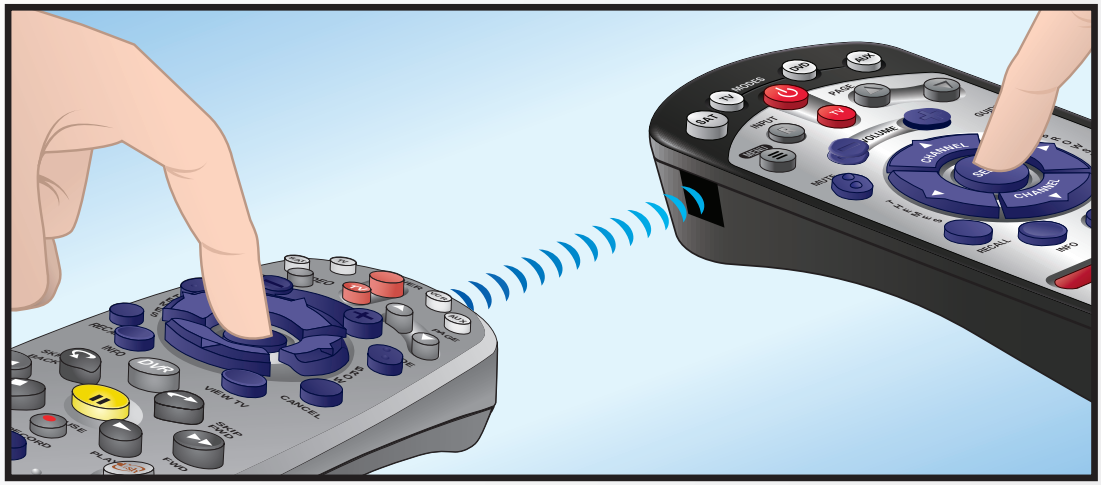
AUX

Auxiliary Equipment Code

1 (Optional)

To read out your remote codes, see page 8 for instructions.

Refer to page 9 for detailed instructions on Learning



Refer to page 11 for detailed instructions on System Wizard

1 Install the Key Correctly

Note: If you will be using the blue TV2 key that comes already installed in your remote, skip this step and proceed with the next step (*Insert the Batteries*).

1

Pull the remote battery cover off.

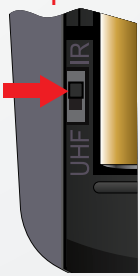
2

Separate the key from the remote by inserting your thumbnail or a coin in the crease. Remove the key by grasping at the bottom.

3

Insert the key face up and slide into place.

4



Change the *UHF/IR SWITCH* to IR

2 Insert the Batteries

1

Insert 4 AAA batteries, making sure to match the plus (+) ends with the plus markings on the battery case.

2

Replace the remote battery cover.

3 Making the Remote Work With Your Receiver

1

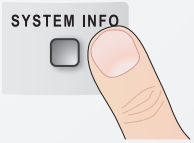
If you installed this key, continue with step 2 on this page.

If you installed this key, go to page 14 inside this guide.

2

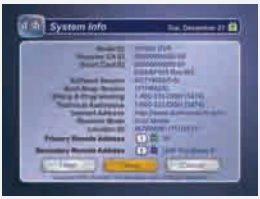
Verify the UHF antenna is installed on the back of the receiver. Verify the UHF/IR Switch is set to UHF.

3



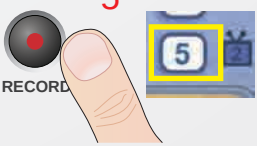
Turn your receiver and TV on, and press SYSTEM INFO on the front of the receiver.

4



Confirm that you see the System Information screen.

5



Press RECORD on your remote. The remote address will probably change on the screen.

6

Confirm that your remote operates your receiver by pressing remote buttons. If your remote has a blue number 2 key, you may need to go to your remote TV2 location to confirm your remote operates your receiver. If this is not working, go back to step 5.

Program the Remote to Control Your TV

To program the remote control to operate a TV, you can enter an Equipment Code (see instructions on page 3).

Or, follow the steps below to scan the database of all Equipment Codes.

Or teach your remote the commands for your TV (see instructions on page 9).

1

Turn your TV on.

2

Press & hold the TV Mode button until all Mode buttons light up.

3

Press POWER.

4

Press the UP ARROW on the remote repeatedly (1 press per second) **until your TV turns off.**

5

Press POUND.
The TV Mode button will flash three times.

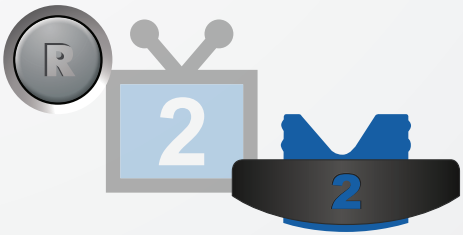
6

Press the POWER button to turn the TV on and try other buttons to make sure the code works. If you want to try another code, start over from step 1.

Programming the Recover Button for TV2 Operation

For TV2 Remote Controls on DISH Player-DVR 522, 625, 942 and ViP222, VIP222k, ViP622 DVR, ViP722 DVR, ViP722k DVR Receivers

Programming your RECOVER button allows you to easily regain satellite programming if you accidentally change TV channels or inputs.



1

Press & hold the TV Mode button until all Mode buttons light up.

2

Press STAR.

3

Enter the channel number you tune your TV to when you watch satellite programming.

4

Press POUND.

Use the RECOVER button as described in *If You Lose Your Picture* on the next page (C-6).

Placing Your Remote in Limited Mode

Limited Mode locks out all the TV mode operations except for TV power, Mute, and Volume. This prevents you from accidentally tuning away from satellite programming.

1

Press & hold the TV Mode button until all Mode buttons light up.

2

Press the PAGE UP button.

3

Press POUND.

To take the remote out of Limited Mode, use the PAGE DOWN button instead of the PAGE UP button in step **2**.

If You Lose Your Picture

(How to Use the RECOVER Button)

Use the RECOVER button to get back to watching satellite programming if you accidentally change channels or inputs on your TV.

1

Press and hold RECOVER until all mode buttons light up.

2

(Your screen may be different)

If you see the System Information screen, proceed to step 4. Otherwise, continue to step 3.

3

Press RECOVER again & wait until the mode lights stop flashing. If you see the System Information screen, go to step 4. If not, repeat this step until you do.

4

Press SELECT to resume watching TV.

Remote Operation

SAT Mode

To use the features described in this section, make sure you are in SAT mode by pressing the SAT Mode button.

Note: *Some features may not be available depending on your receiver model.*

Volume & Mute Buttons
Control TV volume
Programming required (see C-4)

Press this button for SAT Mode

Receiver Power & TV Power
Top button turns the receiver on/off,
Bottom button turns the TV on/off
Programming required (see C-4)

Input
Press once for Input, Press and hold for Recover

Receiver Menu
Access receiver features and settings

Themes
Search for programs using Themes

Recall
Go back to last channel viewed

Info
Get info on programs

Search
Search for a program

Shortcut Keys
(for future use)

Digital Video Recorder (DVR) Buttons
Pause live TV and play or record programming

Format
Format the picture to the desired width to match the program you are viewing

Picture-In-Picture (PIP) Buttons
Watch two separate programs at once *(in Single Mode)*

Page Buttons
Page up/down in menus

Program Guide
Display current and future satellite program listings

Browse
See what is on other channels while watching TV

Arrows/Select Buttons
Channel up/down, navigate through menus and select a desired option

View Satellite Programming
Exit out of any menu/guide and go back to viewing live TV

Number Buttons
Enter a channel number, or navigate thorough menus

System Wizard
Press and hold to fix remote control issues and sync data

DishHOME
Explore interactive TV features

Remote Operation

TV Mode

To use the features described in this section, make sure you are in TV mode by pressing the TV Mode button. Remote programming is required. See C-4 for instructions.

Note: If you have programmed the remote in Limited Mode (C-6), only the TV Power, Mute and Volume buttons will control your TV.

Input
Switch between TV inputs

TV Menu
Access menu features available on some TVs

Mute
Turn TV volume on or off

Recall
Go back to last TV channel viewed

Picture-In-Picture (PIP) Buttons
Display PIP features on some TVs with PIP capabilities

Receiver Power & TV Power
Turn the TV on/off

Volume
Control TV volume

Up/Down Arrow Buttons
Channel up/down on TV

Number Buttons
Enter a desired channel number on TV

Note: *Remote operation is different on DISH Network TVs. See your DISH Network TV User's Guide for proper operation.*

Remote Operation

DVD Mode

To use the features described in this section, make sure you are in DVD mode by pressing the DVD Mode button. You can use this mode to operate your VCR instead of a DVD player. Remote programming is required. See page 2 for instructions.

Press this button for DVD Mode

DVD/VCR Power & TV Power
Top button turns the DVD player/VCR power on and off, **Bottom button** turns the TV on and off

Input
Switch VCR between its TV & VCR mode

Up/Down Arrow Buttons
Channel up/down on VCR

Pause
Pause a videotape or DVD

Back
Rewind a videotape or reverse a DVD

FWD
Forward a videotape or DVD

Stop
Stop playing a DVD, stop playing or recording a videotape

Play
Play a videotape or DVD

Record
Record on a videotape

Number Buttons
Enter a channel number for DVD

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Remote Control Overview

Use this full-function remote control to operate the ViP®722k DVR and ViP222k DISH Network receivers. Also, you can program the remote control to operate most of the popular brands of audio/video equipment like a TV, a DVD player (or VCR), or a second DISH Network satellite receiver. See *Programming for Other Equipment* on page 2.

Note: This remote control may have features not used by your receiver.

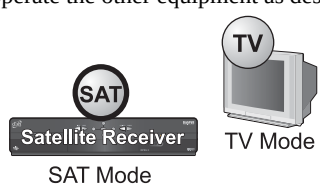
Using the Guide

This guide makes it easy to set up and use your remote control. By now you've noticed that the cover contains information on quick set up and remote control operation.

The rest of the guide contains in-depth information to help you get the most from your remote control, including controlling other equipment like TVs, VCRs, and DVD players.

Remote Control Modes

Use the remote control's mode buttons to set the remote to the correct mode for the equipment. Be sure to program the remote control to operate the other equipment as described on page 2.



SAT Mode

TV Mode

DVD Mode

AUX Mode

Great Idea: Whenever you finish using other equipment (TV, DVD, VCR, etc.) be sure to put the remote back in SAT mode.

To change the mode, press the button for the equipment you want to control. The mode button lights for three seconds to show you've set the remote to that mode.

If you program the remote control to operate other equipment, refer to the following for remote-control operation instructions:

- TVs, page C-8.
- DVD players and VCRs, page C-9.
- Other DISH Network satellite receivers, page C-7.
- Stereo equipment (for example, an audio amplifier programmed in AUX mode) uses only these buttons: SELECT (to change inputs), MUTE, VOLUME, and POWER.

How the Remote Communicates

Depending on how the remote is set up, the remote control may use UHF radio signals, IR signals, or both to control the receiver. However, only IR signals are used to control other equipment.

- IR signals travel short distances (up to 40 feet), and cannot go through walls or other solid objects. Point the remote control directly at the equipment you want to control, with no objects to block the signal path.
- UHF signals travel long distances and can go through walls and other solid objects. Because these signals travel so far, the receiver may respond to signals from other nearby remote controls. To handle this problem, you may want to change the remote and receiver addresses (see page 13).
- If you're set up to use UHF, make sure that the UHF remote antenna is attached to the receiver's back panel REMOTE ANTENNA input so it can receive the UHF remote signals.

Programming for Other Equipment

Page C-4 shows you how to program the remote control to operate a TV. The following section uses a different method to program the remote control to operate a TV or other equipment (such as a DVD player or VCR, tuner, amplifier, audio receiver or a second TV). You can program the remote control by either following the instructions in *Programming Using Equipment Code Tables* on page 3, or the *Scanning for Equipment Codes* procedure described on page 5.

Combination Equipment (for example, TV/DVD)

When programming the remote control to operate combination equipment, such as a TV/DVD or a TV/VCR, program the remote control in one mode, and then repeat the procedure in the other mode. For example, to program the remote control to operate a TV/DVD

player using code 765, follow the instructions to program the remote to operate the TV using code 765, and then repeat the instructions for the DVD using the same code. Put the remote in TV mode to use TV functions, or DVD mode to use the DVD player (or VCR) functions.

Limited Mode

You can program your remote control in Limited Mode to keep from accidentally changing the channel on your TV or VCR. When you use the remote control to operate your TV in Limited Mode, you will only be able to use the POWER, MUTE, and VOLUME buttons to operate your TV. Also, when you use the remote control to operate your VCR in Limited Mode, you will only be able to use the POWER and VCR function buttons. The section *Programming Using the Equipment Code Tables* has a step that tells the remote control to go into Limited Mode. Also, a quick way to put the remote in Limited Mode is described on page C-6.

Note: Limited Mode cannot be used with audio amplifiers.

Programming Using Equipment Code Tables

You can set up the remote control to operate other equipment using the code-table listings that start on page 17 and the modes as shown on page 1. To control a receiver in AUX mode, see page 7.

	Instructions	Additional Information
1	Turn the equipment on.	Use the equipment's front panel buttons or its own remote control.
2	Find the brand name of the equipment listed in the code tables that start on page 17.	If the brand isn't listed in the tables, see *Scanning for Equipment Codes* on page 5.
3	Press and hold the mode button for the equipment until all the other mode buttons light up, and then release the button. The mode button flashes.	For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, the TV mode button will be flashing.

	Instructions	Additional Information
4	*For AUX mode only.* Press 0 for a second TV, or 1 for a second DVD/VCR, or 2 for a tuner, amplifier, or audio receiver.	This step is for programming the kind of equipment that should be programmed in AUX mode. If you're not programming in AUX mode, skip to step 5.
5	Enter one of the three-digit equipment codes from the table using buttons on the number pad.	The three-digit equipment code should be for the brand name of your equipment that you found in step 2.
6	If you want to program Limited Mode, press 1. If not, skip to step 7.	See *Limited Mode* on page 3 for more information.
7	Press POUND (#).	If you entered the code correctly, the mode button flashes three times.
8	Press POWER to turn off the equipment. If the equipment does not turn off, go to step 10.	If the code you entered works, the equipment should turn off.
9	Turn the equipment back on and try some other buttons to make sure they work. If the code works for other buttons, stop here.	For example, sometimes POWER works when other buttons don't. Note that more than one code may work to turn equipment on or off.
10	If the code doesn't work, repeat steps 3 through 9 with another equipment code listed in the tables.	Try every code listed for your brand until one works for your equipment.
11	If you can't find a code that works, try the instructions that follow for *Scanning for Equipment Codes*.	

SCANNING FOR EQUIPMENT CODES

	Instructions	Additional Information
1	Turn the equipment on.	Use the equipment's front panel buttons or its own remote control.
2	Press and hold the mode button until all the other mode buttons light up, and then release the button. The mode button flashes.	For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, TV will flash.
3	*For AUX mode only.* Press 0 for a second TV, 1 for a second DVD/VCR, or 2 for a tuner, amplifier, or audio receiver. Then press the STAR (*) button.	This step is for programming the kind of equipment that should be programmed in AUX mode. If you're not programming in AUX mode, skip to step 4.
4	Press POWER.	This puts your remote control in its code scanning mode.
5	Press either the UP or DOWN ARROW repeatedly until the equipment turns off.	As you press the UP or DOWN ARROW, the remote tries each code in the memory to see if it can turn off your equipment. When the equipment turns off, you have found a code that might work. **Note**: The mode button for the equipment will flash rapidly eight times when you've scanned through all the codes for that equipment.
6	Press POUND (#).	The mode button flashes three times if you have entered the code correctly. This stores the code that you found.

	Instructions	Additional Information
7	Turn the equipment back on and try some other buttons to make sure they work.	Press POWER to turn the equipment back on. Try some other buttons to make sure they work. Sometimes POWER works when other buttons don't, and more than one code may work to turn equipment on or off.
8	If necessary, repeat this procedure until you've tried all the codes.	You may need to repeat the scan to find the best code for your equipment.

Switching Between TV and Amplifier Volume Control

When the remote control is set up to operate your TV, the MUTE and VOLUME buttons will adjust your TV volume. To use the remote to adjust the volume of a remote-controllable audio receiver or amplifier instead of adjusting the TV's volume setting, use the steps in the left column of the table. To switch back to controlling the TV's volume, use the steps in the right column of the table.

	Control Amplifier Volume		Control TV Volume
1	Press and hold the AUX mode button until all mode buttons are lit, then release it. The AUX mode button will blink.	1	Press and hold the TV mode button until all mode buttons are lit, then release it. The TV mode button will blink.
2	Press the POUND (#) button.	2	Press the POUND (#) button.
3	Press the plus (+) side of the VOLUME button.	3	Press the plus (+) side of the VOLUME button.
4	Press the 0 number button.	4	Press the 0 number button.
5	Press the POUND (#) button. The AUX mode button flashes three times.	5	Press the POUND (#) button. The TV mode button flashes three times.

Control Amplifier Volume

MAKE SURE THE REMOTE CONTROLS THE AMPLIFIER'S VOLUME IN OTHER MODES:

6 Press the SAT mode button.

7 Press the plus (+) and minus (-) sides of the VOLUME button.

8 Your tuner/amplifier's volume changes and the AUX mode button lights instead of the TV mode button.

Control TV Volume

MAKE SURE THE REMOTE CONTROLS THE TV'S VOLUME IN OTHER MODES:

6 Press the SAT mode button.

7 Press the plus (+) and minus (-) sides of the VOLUME button.

8 Your TV's volume changes and the TV mode button lights instead of the AUX mode button.

PROGRAMMING THE REMOTE TO CONTROL A SECOND RECEIVER IN AUX MODE

If you have another DISH Network receiver installed, you can use this remote control in AUX mode to operate it along with your new receiver. When you program the remote control to operate the other receiver, the remote will send IR signals to that receiver, so the line of sight to the second receiver must be unobstructed. You can program the remote control to operate any other DISH Network receiver, *except* for:

- TV2 on DISH 322, DISH Player-DVR models 522, 625, and 942, ViP222, ViP222k, ViP622 DVR, ViP722 DVR or ViP722k DVR
- DishPlayer 7100/7200

1 Turn on the other receiver and open the System Information screen. (For help opening the System Information screen, refer to the user guide for the other receiver.)

Write down the TV2 address shown: _____

2 Press and hold the AUX button until all the mode buttons light up, and then release the button. The AUX button flashes.

3 Use the NUMBER PAD on the remote control to enter a 3, followed by the address you wrote down in step 1.

4 Press POUND (#). The AUX button blinks three times.

5 Press RECORD to verify that the address in the remote control now matches the address for the receiver.

READING OUT CODES

These instructions explain how to check the remote control code you put in the remote control when you set it up. Be sure to write them in the spaces provided on the inside back cover.

	Instructions	Additional Information
1	Press and hold the mode button for the equipment you want the remote control to operate. When all the mode buttons light up, release the button—the selected mode button should now be flashing.	For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, the TV mode light will flash.
2	Press the POUND (#) button *twice*. The mode button flashes the number for each digit of the equipment code, with a pause between the groups of flashes. A quick flash is for zero.	For example, if the code is 570, the mode button flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.
	For AUX mode, the first group of flashes tells you what the AUX mode controls, then the following flashes tell you each digit of the equipment code. A quick flash (zero) before the three-digit code is for a TV; one regular flash is for a DVD player or VCR; and two flashes is for a tuner, amplifier, or audio receiver.	For example, if the TV code is 570, the AUX mode button flashes once quickly (indicating the AUX equipment is a TV), pauses, flashes five times for the first digit of the code, then pauses, flashes seven times for the second digit of the code, pauses again, and flashes once quickly for the final digit (zero) in the code.
	For another satellite receiver programmed in AUX mode, the group of flashes tells you the second receiver's address number.	For example, if the AUX mode button is set to control a satellite receiver with address 5, the AUX mode button flashes five times.

Learning From Another Device's Remote

After you have programmed your DISH Network remote to control your equipment (in TV, DVD or AUX modes), you may find not all of the commands used by the equipment's original remote controls function as you expect. The learning function of your DISH Network remote control can support these commands.

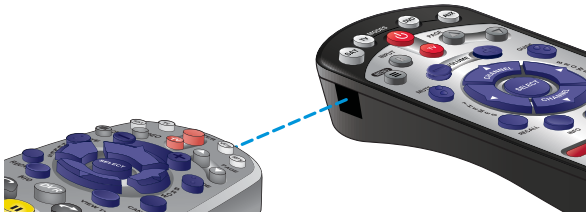
The remote control can learn commands in two ways:

1. You can follow the instructions for using equipment codes to program a specific mode, and then learn commands that add new or overwrite existing functions of the remote control's buttons in this mode. For this type of learning, any button without a learned command keeps the previous command (if any) for that equipment code.
2. Each button on this remote learns a command from the equipment's original remote control. For this type of learning, any button without a learned command will have no function for that equipment.

To "teach" your DISH Network remote control specific commands for your equipment, complete the following:

1. Ensure the DISH Network remote control is programmed to the desired remote address (see *Changing the Remote and Receiver Address* on page 13).
2. Place both your DISH Network remote and the original equipment's remote control on a flat, stable surface.
3. On the DISH Network remote, press and hold the mode button for your equipment for about three seconds until all the mode buttons light up, and then release it. Your selected mode button will blink.
4. To start learning commands for this mode:
   - If you've found a code for that equipment, first program the code using the instructions for *Programming Using Equipment Code Tables* on page 3 or *Scanning for Equipment Codes* on page 5. Press and release RECALL, then hold the RECORD button for about three seconds until the mode button is lit again. The button remains lit while learning.
   - If you have not programmed a code for that equipment, press and hold the RECORD button for about three seconds until the mode button is lit. The button remains lit while learning.

5 Point the front of the original equipment's remote to face the small square (IR window) on the front, left-hand side of DISH's remote, as shown below and on page C-1.



6 On the DISH Network remote, press the button you want to teach.

7 On the original equipment's remote control, press and hold the button you want learned. If the DISH Network remote learns the command, the mode light blinks off and then back on.
If the mode light blinks three times or remains lit, the DISH Network remote did not learn the command.
You may need to press the button on the original remote several times for the DISH Network remote to learn the command.

8 After a button has learned a command successfully, repeat step 6 and step 7 until all commands you want have been learned.

9 To end the learning sequence:

- Press one of the mode buttons on the DISH Network remote. This saves all the commands for that mode, and exits learning to return to normal remote control operation.
- If the remote runs out of memory for learned commands, it saves the commands you have learned for equipment in this mode, exits learning and returns to normal remote control operation. The DISH Network remote cannot learn additional commands.

•If the remote control batteries are too low for learning, all the mode buttons blink quickly eight times. Learning ends **without saving learned commands,** and the remote returns to normal operation. Change the batteries.

•To cancel learning, do not press any buttons on either remote control for at least 30 seconds. The DISH Network remote control times out and returns to normal operation.
Note that **no learned commands are saved** if the DISH Network remote control times out before completion.

USING THE SYSTEM WIZARD

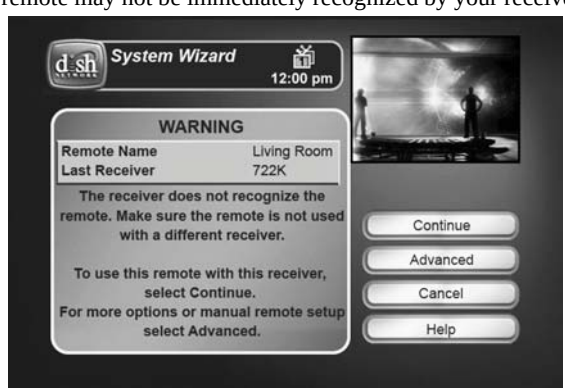
By pressing and holding the 0 (zero) key on the DISH Network remote control for TV1 (or for TV2, if you have set it to **IR only**, as on page 14), you enter the System Wizard, viewable on TV1 (see page C-1).

The System Wizard can help you diagnose certain problems you may be having with your DISH Network remote control, including:

- .*Remote Is Not Recognized*
- *Adjust Remote Configuration*
- *Resolve Address Conflict*.

REMOTE IS NOT RECOGNIZED

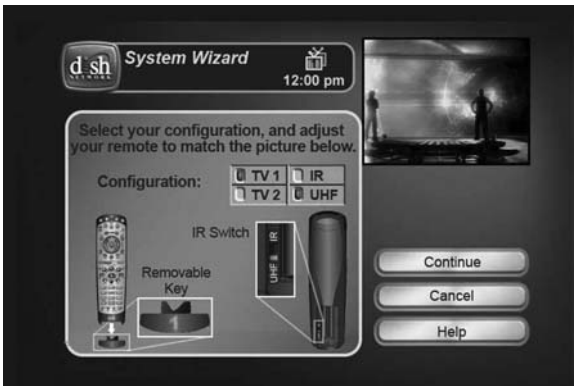
The remote may not be immediately recognized by your receiver.


System Wizard
12:00 pm
WARNING
Remote Name Living Room
Last Receiver 722K
The receiver does not recognize the remote. Make sure the remote is not used with a different receiver.
To use this remote with this receiver, select Continue.
For more options or manual remote setup select Advanced.
Continue
Advanced
Cancel
Help

If you select Continue, the wizard tries to configure your receiver and remote control to work together.

ADJUST REMOTE CONFIGURATION

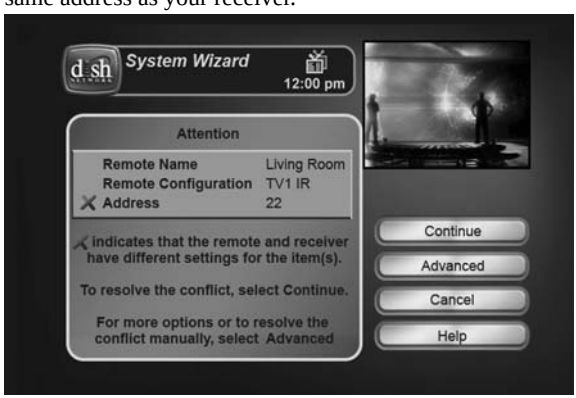
You may see a screen asking you to adjust the physical configuration of the remote control.



Configure the remote key (see page C-2) and the UHF/IR switch (see page 14) as shown on the screen, and then select Continue.

RESOLVE ADDRESS CONFLICT

You may also see a screen noting that your remote control is not set to the same address as your receiver.



Select Continue on this screen and the wizard will attempt to resolve the address conflict between the remote control and the receiver.

Discrete Codes for Learning Remotes

Discrete On and Off IR-only remote-control commands are used by installers when programming macro commands into universal remotes. Using an On-only or Off-only command is more effective than a toggle On/Off command when trying to ensure the satellite receiver is reliably in one state or the other. To use discrete power commands, ensure you have set the UHF/IR switch in the remote to **IR only**, as on page 14) and complete the following:

1. Program the DISH Network remote to the desired remote address (see *Changing the Remote and Receiver Address* below).
2. Hold the SAT mode button until all mode buttons light, then release the button.
3. Press the POWER button (not TV POWER).
4. Press VOLUME UP for discrete power on, or VOLUME DOWN for discrete power off.
5. Press any other button when you are done to end this procedure.

Avoiding Remote Conflicts

When your remote control sends UHF signals, you may experience interference from other nearby remote controls. The instructions in this section describe how to avoid such remote-control conflicts.

Changing the Remote and Receiver Address

One quick way to avoid remote-control conflicts is by changing the address on your remote control and receiver. If you notice that your receiver is changing channels or opening menus, but you're not using the remote control, a quick change of address should fix the problem.

1. Press SYSTEM INFO on the receiver's front panel. The **System Information** screen displays and shows the **Primary Remote Address** (for TV1, typically using IR) and the **Secondary Remote Address** (for TV2, typically using UHF).

   Write down the TV2 remote address shown: _____
2. Press and hold SAT on your remote control for about three seconds, until all of the mode buttons light up, and then let go of SAT.
3. Add one to the address that you wrote down in step 1, and use the NUMBER PAD to enter that number (between 1 and 28).

4 Press POUND (#). If you entered the address correctly, the SAT button will flash three times. Write down the number you entered in the space provided on the inside back cover of this guide.

5 Press RECORD. Make sure the **Secondary Remote Address** you see on the **System Information** screen is the same as the one you entered in step 3. If it isn't, the remote control cannot operate the receiver. Press RECORD a second time.

6 Select **Done** to close the **System Information** screen.

Note: This remote control may have features not used by your receiver.

Changing Between UHF and IR Using the UHF/IR Switch

All receiver models (*except* the ViP222, ViP222k, ViP622 DVR, ViP722 DVR or ViP722k DVR receivers) must use switch position IR or the remote will not control the receiver.

Your remote has a switch to change the type of signaling that your remote control uses. It comes preset to the UHF position, but if you have a clear line of sight to your receiver, you can change the setting to the IR position to eliminate the possibility of any other UHF remote control interfering with yours.

1 Remove the battery cover from the remote control.

2 Use a small screw driver or a paper clip to carefully change the setting.

3 Put the battery cover back on the remote control.

4 Use the SYSTEM INFO button on the front panel to open the **System Information** screen.

5 Press RECORD on the remote control.

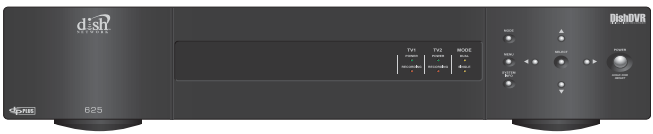
6 Make sure the remote address on the receiver's **System Information** screen shows the correct information:

- Switch Position UHF—**IR/UHF**
- Switch Position IR—**IR only**

SETTING UP A TV1 UHF PRO REMOTE FOR THE DISH PLAYER-DVR 522 AND 625 ONLY

Use these special instructions only if you are going to use the green 1 UHF Pro key to control the TV1 side of a DISH Player-DVR 522 or DISH Player-DVR 625.

If you have a DISH Player-DVR 522 or 625:



and want to use UHF Pro with TV1, use this key:

When you are finished setting up the remote control, you'll be able to operate the TV1 side of your DISH Player-DVR 522 or 625 from long distances.

1 Make sure the key is installed as described on pages C-1 and C-2.

2 Make sure the UHF Antenna is attached to the REMOTE ANTENNA input on the back of the receiver.

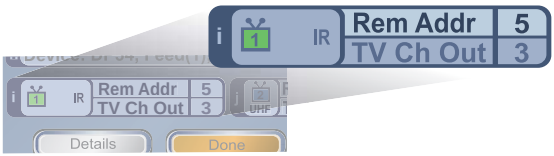
3 Using the receiver's front panel buttons, press MENU. Select the following on-screen items in this sequence:

a. **System Setup**.
b. **Installation**.
c. **TV1 UHF Pro Setup**.

4 Select **Enable** from the **TV1 UHF Pro Setup** screen.

5 Select **System Info** to open the **System Information** screen.

6 Use the ARROW buttons to move the highlight to the TV1 remote address (the **Rem Addr** box as shown below). This is important—if you do not move the highlight, your remote control will change the receiver's TV2 remote address (the **Rem Addr** box) and cause your Remote Control 1 to control the TV2 side of your receiver.



Note: Highlight the **Rem Addr** (the lighter area in the graphic above).

7 Press the RECORD button on the green TV1 remote control you are setting up. If you get a warning that tells you to pick another address, continue on to the next step. If no warning appears, go to step 12 of this procedure.

8 On the remote control, press and hold the SAT mode button for about three seconds, until all the mode buttons light up, and then release the SAT button. The SAT mode button will blink.

9 Use the number buttons to enter any number from 1 to 28, *except* for the address shown for on your screen.

Write down the number you entered: _____

10 Press the POUND (#) button. If you entered the address correctly, the SAT mode button will flash three times. Press RECORD on the remote.

11 Make sure the **System Information** screen shows **UHF** and that this address matches the number that you entered in step 9.

12 Select **Done** to close the **System Information** screen. If nothing happens, press RECORD, and then select **Done**.

EQUIPMENT CODES

These tables contain the manufacturer codes for programming the remote control to operate your TV, a DVD player or VCR, or an audio receiver or amplifier. Every attempt has been made to include all codes. If your equipment brand is not listed or if the codes do not work, the remote may not control your equipment. In some cases codes may operate some but not all buttons shown in this guide.

TV CODES

Programming in AUX mode: Use these codes to program in TV mode. If programming a second TV in AUX mode on your remote control, press 0 before entering the TV code.

Table continues on next page

Abex 658 730
Acer 511
Action 662
Admiral 521 572 675 739 834 835
Advent 653 842 912
Adventura 840
Aiko 727 778
Akai 570 573 592 612 627 652 754 795 807 808 906 907 908
Albatron 692 804
Alleron 534
A-Mark 620 804
Ambassador 686
America Action 682
Amtron 657
Anam 682
Anam National 509 541 620 651 657 698
AOC 505 506 519 520 573 582 620 627 653 654
Apex 552 595 743 744 745 757 771 802 815
Archer 620 804
Astar 594
Audiovox 528 565 620 623 624 657 662 682 778 832
Aventura 733
Axion 636
Bang & Olufsen 514 665
Baycraft 536
Belcor 627 773
Bell & Howell 590 675 683
Benq 511 535
Bradford 657 682
Brillian 558
Brockwood 627
Broksonic 682 748 750 752 754 834 899 908
ByD:sign 792
Candle 506 523 525 536 627 654 840
Candle/Citizen 573
Capehart 519 627
Carnivale 627
Carver 761
CCE 528 816
Celebrity 652 795 797 798 807
Celera 744 745
Changhong 744 745
Cineral 697
Circuit City 627
Citizen 506 516 523 524 525 526 590 627 654 657 658 664 680 727 778
Clairtone 698
Clarion 682
Coby 626 633
Colortyme 573 627 654
Colt 660
Commercial Solutions 645 650
Concerto 523 652 654
Contec 682
Contec/Cony 541 655 657 658 662
Craig 536 541 657 662 682 694
Crosley 761
Crown 526 536 657
CTX 804
Curtis Mathes 503 506 516 528 572 573 590 627 641 645 650 654 658 680 683 739 761 830 832
CXC 541 657 662 682
Cytron 903 904
Daewoo 505 524 528 530 531 573 627 630 653 654 658 684 719 727 778 816 832
Daytron 627 654 658
Dell 518 676 772 773 774
Denon 786
DiamondVision 546 643 659
Dimensia 503 645 830
DISH Network 742 763
Dixi 566 620 761 897
Dumont 501 627 711 813
Durabrand 533 627 682 733 834 843

TV CODES (CONTINUED)

Dwin 572 739
Electroband 652 795 797 798 807
Electrograph 507
Electrohome 573 627 651 652 654 709 728 795 807
Element 591 669
Emerson 528 534 536 541 573 590 618 627 636 642 646 654 655 657 658 662 664 682 683 733 777 816 832 834 846 899
Emprex 597
Envision 506 573 627 654
Epson 708
ESA 733
Fisher 542 590 595 683 802
Fortress 573
Fujitsu 534 602 603 694
Funai 534 541 587 657 662 682 694 733 756
Futuretech 541 657 662 682 694
Gateway 507 511 710
GE 503 508 509 528 543 544 627 645 650 651 654 661 690 728 742 749 779 830 832 857 859
General Electric 627
Gibralter 501 627 711 813
Go Video 696
Goldstar 505 523 545 566 573 627 653 654 655 658 693 720 730 761 897
Gradiente 540
Granada 627
Grand 627
Grunpy 534 657 682
Hallmark 627 654
Harley Davidson 756
Harman/Kardon 561 627 761
Harvard 657 682
Havermy 572 739
Helios 901
Hello Kitty 528 832
Hewlett Packard 712 911
Hinari 534
Hisense 759
Hitachi 523 549 554 555 585 627 638 654 655 658 756 786 788 789 790 791
HP 599 712 721 911
Hyundai 695
iLo 559 596 625
IMA 657
Infinity 566 656 761 897
InFocus 616
Initial 625
Insignia 538 539 751
Inteq 501 711 813
Janeil 840
JBL 566 656 761 897
JCB 652 795 797 798 807
JC Penney 503 505 506 508 516 525 543 595 627 631 645 653 654 658 680 690 728 730 802 830 857
Jensen 502 537 556 573 627 653 654 842 912
JVC 508 557 559 642 649 655 676 726 735 736 737 812 817
Kawasho 561 573 627 652 654 795 807
Kaypani 519
KEC 682
Kenwood 506 573 627 654 716
KLH 595 744 745 802
Kloss 561 627
Kloss Novabeam 657 723 724 840
Konka 510
KTV 541 573 627 657 658 662 682
LG 553 627 653 654 693 718 766 773 804
Lloyd's 627 756
Lloytron 658
Loewe 566 656 761 897
Logik 675
Luce 699
Luxman 523 627 654
LXI 503 566 590 595 627 631 635 645 650 654 656 683 744 761 771 802 830 897
M. Wards 500 505 506 534 543 567 568 795 807
Magnasonic 573 664
Magnavox 506 520 525 536 550 560 566 567 568 573 625 627 646 654 656 723 724 756 761 762 777 818 827 828 829 838 839 887 888 891 892 893 894 897
Magnin 661
Majestic 675
Marantz 506 566 573 604 627 654 656 761 897
Matsushita 689
Maxent 507 581
Media Center 721
Megapower 804
Megatron 627 654
MEI 698
Memorex 529 590 627 648 653 654 675 683 834
MGA 504 505 506 542 571 573 627 653 654 661 728
Midland 501 508 645 650 658 711 730 813
Mintek 625
Minutz 857

Table continues on next page

TV CODES (CONTINUED)

Mitsubishi 504 505 542 570 571 572 573 613 614 627 653 654 725 728 739 787 799
Mitsui 769
Monivision/Monovision 692 804
Montgomery Ward 675
Motorola 521 572 651 739 835
MTC 505 506 516 523 573 627 653 654 680
Multitech 657 682
Multivision 810
NAD 595 627 631 635 637 654 744 771 802
National 509
NEC 505 506 507 517 523 573 627 651 652 653 654 731 732
Net-TV 517 586 609 801
Nikkai 613
Nikko 627 654 727 778
Norcent 579
Normandic 717
Noshi 681
Novabeam 561 627
NTC 727 778
Nyon 627
Olevia 564 578 580 910
Onwa 541 657 662 682
Optimus 590 637 689
Optonica 521 572 607 739 835
Orion 694 726 834 899
Osaki 687
Panasonic 508 509 512 566 577 619 634 644 647 651 656 662 685 689 700 729 734 761 765 780 784 811 819 820 821 822 823 860 861 862 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 889 890895 896 897 900
Panavision 734 811
Penney 595 627 645 650 661 744 771 802
Philco 505 506 525 532 536 568 573 627 651 653 654 655 656 658 723 724 761
Philips 525 527 548 550 563 566 621 625 627 651 655 656 658 690 723 724 747 761 770 782 824 825 826 827 828 839 887 888 891 892 893 894 897
Philips Magnavox 527 550 761 782 826 827 828
Pilot 627 658
Pioneer 547 576 627 637 654
PlasmSync 610
Polaroid 591 627 669 670 671 678 744 745 751 766 773 814
Portland 505 573 627 653 654 658 727 778
Price Club 680
Prima 653 673 674 842 912
Princeton 562 804
Prism 508
Proscan 503 645 650 742 749 830
Proton 513 519 536 585 627 654 655 658
Protron 589
Proview 902
Pulsar 501 627 711 813
Quasar 508 509 651 689 700 784 860 861 862 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 889 890 895 896
Radio Shack 503 541 590 627 645 650 662 682 683 756 830
Radio Shack/Realistic 590 607 650 652 654 655 657 658 683 730 830
RCA 503 505 522 627 630 636 641 645 650 651 653 654 661 742 749 776 779 805 830 831 863 864 902
Realistic 503 590 627 645 682 683 830
Rhapsody 701
Runco 501 627 711 813
Sampo 506 507 519 627 654 658 730 746 753 763
Samsung 505 506 516 523 526 566 573 601 627 653 654 655 658 680 707 717 730 738 755 761 794 833 858 897
Samsux 702
Samwon 620
Sansei 697
Sansui 726 754 756 834 899 908
Sanyo 590 611 627 661 683
SBR 566 761 897
Sceptre 677
Schneider 566 761 897
Scimitsu 773
Scotch 627 654
Scott 534 541 627 654 655 657 658 662 682
Sears 503 523 534 541 542 558 590 595 627 631 635 645 650 654 658 683 733 744 756 761 771 802 830 841 846
Seimitsu 627
Semivox 682
Semp 595 771
Sharp 521 572 585 605 607 627 628 629 654 655 658 739 740 803 835 836 898
Sharper Image 703
Sheng Chia 572 739
Shogun 627
Signature 675

Table continues on next page

TV CODES (CONTINUED)

Silver 573
Simpson 525
Solavox 613
Sony 500 640 652 756 758 781 783 795 796 797 798 806 807 837 844 845
Soundesign 525 534 536 541 627 654 657 662 682
Spectricon 520 620 627
Squareview 694 733 841 846
SSS 505 541 573 627 657 662 682
Starlite 657 682
Studio Experience 692
Supra 523 627
Supre-Macy 840
Supreme 652 795 797 798 807
Susumu 687
SVA 515 901 905
Sylvania 506 525 536 566 568 569 573 618 627 646 654 656 672 679 723 724 733 756 761 764 777 897
Symphonic 632 657 662 679 682 694 733 756 841 846
Syntax 564
Syntax-Brillian 558 564
Tandy 521 572 739 835
Tatung 509 588 651
Technics 508 689
Technol ACE 534
Techview 590 683
Techwood 508 523 573 627 654
Teco 704
Teknika 504 505 512 516 523 524 525 534 536 541 573 644 653 654 655 657 658 662 675 680 682 685 727 761 778
Telecaption 688
Telefunken 794
Tera 513
Thomas 627 756
Thompson 709
Thomson 705
TMK 523 573 627 654
TNCi 501 711 813
Toshiba 516 526 590 595 617 622 631 635 666 680 683 688 744 750 754 768 771 785 793 800 802 847 848 849 850 851 852 854 855 865 866 908 909
Tosonic 698
Totevision 658
Toyomenko 627
Trical 706
Trutech 584
TVS 834
Universal 543 690 857
Universum 687
V Inc. 562 575
Vector Research 506 627
Victor 557
Video Concepts 570
Vidikron 761
Vidtech 505 573 627 653 654
Viewsonic 507 551 562 575 583 600 606 760 796
Viking 840
Viore 907
Vizio 511 535 562 575 593 598 773
Wards 503 534 536 573 595 607 627 645 653 654 656 675 690 715 723 724 761 802 830 857
Waycon 595 744 771 802
Westinghouse 528 562 574 575 795 797 798 807 809 832 856
White Westinghouse 528 816 832 834
Yamaha 505 506 573 627 653 654
York 627
Zenith 501 553 555 615 627 639 675 693 711 748 752 756 766 773 775 778 813 834 853 899
Zonda 620 804

VCR CODES

Programming in AUX mode: Use these codes to program the VCR in the DVD mode on your remote control. If programming the VCR in AUX mode on your remote control, press 1 before entering the VCR code.

Table continues on next page

ABS 792
Adventura 588 594
Aiwa 501 588 594 676 678
Akai 513 518 568 682 772
Alienware 792
American High 554
Americast 917
Apex 517
ASA 556 801
Asha 675
Audio Dynamics 592
Audiovox 676 678
Bang & Olufsen 537 794
Beaumark 675
Bell & Howell 581
Broksonic 511 515 516 525 559
Calix 676 678
Candle 534 592 594 675 676 678
Candle/Citizen 675 676
Canon 554
Canon 554
CineVision 529
Colortyme 592
Colt 535
Craig 591 676 678 789
Curtis Mathes 554 585 592 594 605 607 649
Cybernex 675
Cyberpower 792
Daewoo 534 536 559 588 796
DBX 592
Dell 792
DiamondVision 532
Dimensia 585 607 649
Dumont 549
Durabrand 533
Dynatech 588 594
Electrohome 512 676 678
Electrophonic 676 678
Emerson 508 512 518 534 536 554 559 568 588 594 676 678 798 804
ESA 502
Finlandia 549
Finlux 549 556 801
Fisher 549 581 789
Fuji 554 772
Funai 588 594 804
Garrard 588 594
GE 541 554 585 591 605 607 649 675
Go Video 522 524
Goldstar 592 594 676 678
Goodmans 585
Gradiente 588 594
Granada 549
Grundig 556 801
Harley Davidson 588 594
Harman/Kardon 568 592
Headquarter 581
Hewlett Packard/HP 792
Hi-Q 789
Hitachi 536 538 539 540 588 595 597 682
Howard Computers 792
Hush 792
iBuyPower 792
Insignia 507
Instant Replay 554
ITT 675
JC Penney 554 581 591 592 595 676 678 776
JCL 554
Jensen 595 682 776
JVC 503 504 523 526 527 545 561 562 581 592 594 682 795
Kenwood 562 581 592 594 682
Kodak 554 676 678
LG 507 676 678
Linksys 792
Lloyd's 588 594
Luxor 567
LXI 676 678
M. Wards 512 554 585 591
Magnasonic 536
Magnavox 533 554 556 594 797 798 801 803 804
Magnin 675 676 678
Marantz 554 556 581 585 592 594 801
Marta 676 678
Matsushita 554
Media Center PC/Microsoft 792
MEI 554
Memorex 515 516 533 549 550 554 581 585 588 594 676 678 786 789
MGA 512 567 568 675
MGN Technology 675
Midland 591
Minolta 595 776
Mitsubishi 512 562 567 568 595 607 776

VCR CODES (CONTINUED)

Motorola 554
MTC 544 594
Multitech 588 591 594
NEC 562 581 592 594 682
Nikko 676 678
Niveus Media 792
Noblex 675
Northgate 792
Olympus 554
Optimus 676 678 786
Optonica 585
Orion 550
Panasonic 554 614 628 770 777 780 781 782 783 784 786 787 788 799 809 810
Penney 675 676 678
Pentax 592 776
Pentex Research 592 594
Philco 554
Philips 554 556 585 801 803 804
Philips Magnavox 801
Pilot 676 678
Pioneer 562 776
Polaroid 517 530
Presidian 804
Proscan 585 605 607 649
Pulsar 533
Quarter 581
Quartz 581
Quasar 554 770 771 772 786 806
Radio Shack 512 594 676 678
Radio Shack/Realistic 554 581 588 676 678 789
Radix 676 678
Randex 676 678
RCA 518 528 541 554 585 591 595 605 607 649 675 773 774 775 776
Realistic 534 549 554 581 585 588 594 676 678 789
Ricavision 792
Ricoh 791
Runco 533
Salora 567
Samsung 506 524 534 591 755 807
Sanky 533
Sansui 515 516 544 550 562 594 682
Sanyo 549 581 675 789
SBR 556 801
Scott 534 559
Sears 549 554 581 594 595 676 678 776 789
Sharp 512 585 595 607 918
Shintom 595 772
Shogun 675
Singer 554 791
Sony 500 594 768 772 778 790 791 792 919
Stack 792
Stack 9 792
STS 554
Superscan 531 798 804
Sylvania 519 554 556 567 588 594 756 798 801 804
Symphonic 588 594 804
Systemax 792
Tagar Systems 792
Tandy 581
Tashiko 676 678
Tatung 682
Teac 588 594 682
Technics 554
Teknika 554 588 594 676 678
TMK 675
Toshiba 534 538 542 543 567 769 776 783 792
Totevision 591 676 678
Touch 792
UltimateTV 649
Unitech 675
Vector Research 534 592
Victor 561 562
Video Concepts 534 568 592
Videomagic 676 678
Videosonic 591
Viewsonic 792
Wards 534 554 588 594 595 676 678 776 789
White Westinghouse 588
XR-1000 554 588 594
Yamaha 581 592 594 682
Zenith 500 507 533 594 772 779 791
ZT Group 792

DVD PLAYER CODES

Programming in AUX mode: Use these codes to program your remote control in DVD mode. If programming in AUX mode on your remote control, press 1 before entering the listed DVD Player code.

Table continues on next page

Accurian 602
Advent 572
Aiwa 694
Akai 656 752 815
Alco 765
Allegro 683
Alpine 653
Amphion MediaWorks 586
AMW 586
Anaba 687
Anam 688
Apex 654 655 744 757 835 839 851
Apple 642
Archos 885
Arrgo 833
Aspire 558
Astar 612
Audiologic 698
Audiovox 580 630 765 826 837
Axion 867
B&K 701
Bang & Olufsen 569 580
Bel Canto Design 719
Blaupunkt 835
Blue Parade 719
BOSE 758 811
BOSS 576
Broksonic 656 752 815
California Audio Labs 699 716
Cambridge SoundWorks 870
CAVS 708
CineVision 626
Clarion 696
Classic 695 826 882
Coby 557 634
Criterion 712
Curtis 685
Curtis Mathes 684
CyberHome 833
Cytron 904
Daewoo 626 657 859
Denon 578 697 699 700 716 737 892
Desay 598
DiamondVision 637 641
Disney 617
Dual 871
Durabrand 826
DVD2000 699 716
Eclipse 574
Eltax 685
Emerson 658
Enterprise 824
ESA 570 587
Farenheit 713
Fisher 659
Flex Vision 717
Fun TV 718
Funai 570 617 658 829
Gateway 610
GE 702 703 720 749 816 835
Go Video 610 692 693 822 826
GPX 704 826 882
Gradiente 699 716
Greenhill 835
Grundig 565 577
Harman/Kardon 715
Hitachi 606 660 668 705 706 707 823 860
Hiteker 654 655 744
Honda 721
Honyas 726
iLive 856
iLo 837
Ingelen 876
Initial 835
Insignia 570 673 824 871
Integra 551 779
Irradio 608
Jamo 728
Jaton 738
JBL 715
Jeken 878
Jensen 557
JMB 656 815
JVC 553 603 604 620 621 622 623 625 689 850 861 862 863 872 898
Jwin 742
Karcher 864
Kawasaki 765
Kendo 848
Kenwood 579 699 700 716 737
KLH 765 835
Konka 753
Koss 564 723 745 873
Lasonic 593
Lenoxx 560 826
Lexia 857
Lexicon 743
LG 615 673 824 899
Lifetec 634
Limit 857
Liquid Video 564
LiteOn 602 610
Loewe 746

DVD CODES (CONTINUED)

LogicLab 857
Logix 852
Lumatron 673 824
Luxman 844
Luxor 848
Magnavox 565 570 577 601 617 650 658 661 672 674 679 854
Malata 747
Marantz 565 577
Memorex 709
Microsoft 703 720 749 816
Mintek 710
Mitsubishi 767
Momitsu 748
NAD 673 824
Nakamichi 596
Nesa 835
Next Base 680
Nexxtech 599
Niro 750
Nissoho Iwai 718
Norcent 634 711
Onkyo 551 672
Oppo 566
Optiview 687
Oritron 564 723
Panasonic 624 627 638 662 663 672 699 714 716 734 737 813 840 841 855
Philco 686
Philips 565 572 577 617 672 764 766 873 874
Pioneer 665 719 812 877 879 880
Polaroid 586 617 635 636 640 647 651 677 851
Polk Audio 565 577
Portland 751
Presidian 617
Prima 759
Princeton 760
Proceed 654 655 744
Proscan 703 720 749 816
Provision 761
Pye 674
Qwestar 723
RCA 616 666 690 703 719 720 749 765 816 835 842 901
Regent 560
Rio 683
Rotel 553 850 861
Rowa 555
Saba 762
Sampo 724
Samsung 571 606 643 644 652 667 668 691 699 716 740 741 805 820 821 844 845 849 866 869 875 881 895 896 900
Sansui 656 725 754 815
Sanyo 609 656 659 815
Sensory Science 610
Sharp 573 617 669 727 865 903
Sharper Image 763
Sherwood 870
Shinco 589
Shinsonic 731
Sigma Designs 760
SonicBlue 683
Sony 582 613 618 632 670 671 729 730 731 817 818 827 830 831 832 836 838 843 846 847 858 868 883 884 902
Sungale 597
Superscan 570
SVA 800
Sylvania 570 617 619 631 639 645 658 764 829
Symphonic 617 658
Teac 732 765
Technics 699 716 733
Techwood 664
Terapin 887
Theta Digital 719
TiVo 888
Toshiba 575 583 584 646 648 656 672 735 736 814 815 819 825 828 834 893 894
Tredex 889
Trutech 833
TView 687
Urban Concepts 672
US Logic 681
Venturer 765
Vizio 897
Vocopro 890
Westinghouse 629
Xbox 703 720 749 816
Xwave 891
Yamaha 565 577 699 716 737 739 853

TUNER/AMPLIFIER CODES

Programming in AUX mode: Press 2 before entering the code for your tuner/amplifier or other audio device on your remote control.

Table continues on next page

Accuphase 690
Acoustic Research 703 853
Acurus 691
ADC 652
Adcom 690
Admiral 747
ADS 748
Aiwa 636 667 681 718 720 725 730 839
Akai 740
Alco 659
Alpine 749
Altec Lansing 738
AMC 855
Amphion Media Works 660
Amplifier Technologies 710
AMW 660
Anam 653
Angstrom 692
Anthem 750
Apex 812
Aragon 691
Arcam 726
Atlantic Technology 712
Audio Research 751
Audio Source 693
Audiotronic 685
Audiovox 669 826
B&K 752
Bang & Olufsen 676
Bel Canto Design 690
Biamp 695
Blaupunkt 854
BOSE 639 656 761
Boston Acoustics 713
Brix 744
Brumester 647
California Audio Labs 686
Cambridge SoundWorks 831
Capetronic 652
Carver 685 725
Cary Audio Design 689
Casio 717
CCE 802
Chase Technologies 687
Cinema Sound 696
Clarinette 717
Clarion 753
Classe 697
Classic 819
Coby 811
Counterpoint 754
Craig 856
Creative 723
Criterion 734
Crown 857
Curtis 815
Curtis Mathes 772
Daewoo 727
Dell 729
Delphi 755
Denon 669 670 680 759 760 762 809
Digital Audio Control 688
Durabrand 698
Dynalab 858
EAD 756
Eclipse 665
Elan 699
Emerson 820
ESA 757
Fisher 850
Fosgate 700
Garrard 851
Gateway 743
GE 638
Glory Horse 728
Go Video 742
Goldstar 814
GPX 834
Gradiente 682
Harman/Kardon 640 685 725
Hitachi 850
Honyas 770
iLive 835
Initial 735
Inkel 714
Insignia 825
Integra 650
Jamo 837
JBL 642
Jensen 775
JVC 637 663 786 827 848
Kenwood 658 662 668 774 795 828 829 830 840
KLH 659
Knoll Systems 701
Koss 739
Lasonic 746

TUNER/AMPLIFIER CODES (CONTINUED)

Left Coast 640
Lenoxx 736
Lexicon 724
LG 836
Linn 685 725
Liquid Video 739
Lloyds 717
Logitech 702
Luxman 704
LXI 716
Magnadyne 776
Magnavox 652 654 685 725
Marantz 640 645 685 725 764
Mark Levinson 705
McIntosh 706
MCS 719
Memorex 777
Midland 707
Mitsubishi 859
Modulaire 717
Motorola 737
NAD 648
Nakamichi 649
NEC 641
Nexxtech 711
Nikko 708
Niro 779
Norcent 731
Nova 780
Omnifi 745
Onkyo 671 785 788 790 791 838
Optimus 635 652 653 772 845
Oritron 739
Panasonic 643 677 678 783 797 799 808 810 817 818 821
Parasound 647
Penney 717
Philco 781
Philips 640 685 725
Philips Magnavox 860
Pioneer 635 652 664 666 767 772 806 813 844 845
Polaroid 679
Polk Audio 640 645 685 764
Proscan 704 853
Proton 654
Pyle 782
Quasar 799
Radio Shack 728
RCA 635 652 653 659 675 703 772 842 845 852 853
RCA & Dimensia 703 853
Realistic 717
Regent 736
Rio 661
Rotel 674
Saba 741
Samsung 807
Sansui 685 725
Sanyo 824 850
Schneider 787
Scientific Atlanta 721
Scott 715
Sharp 832
Sharper Image 728
Sherwood 833
Shinsonic 789
Shure 641
Sonic Blue 661
Sony 683 730 765 766 769 771 773 778 784 793 794 803 846
Soundesign 638
Soundmatters 763
Soundstream 709
Stereophonics 635 845
STS 792
Sunfire 658 840
Symphonic 747
Tag McLaren 796
Teac 653 659
Technics 643 672 768 804 805 808
Techwood 798
Thomson 800
Thorens 685
Toshiba 822
Vector Research 801
Venturer 659
Victor 637 827
Wards 635 638 685 725
Yamaha 646 650 651 655 657 663 684 732 733 786 823 841 847 848 849
Yorx 717
Zenith 814

DIGITAL VIDEO RECORDER (DVR) CODES

Programming in AUX mode: Press 1 before entering the listed code to program your remote control in AUX mode.

ABS 792
Alienware 792
Americast 917
Bang & Olufsen 794
BellSouth 917
CyberPower 792
Dell 792
Director 913
Gateway 792
General Instrument 913
GOI 722
Hewlett Packard 792
HNS 521
Howard Computers 792
HP 792
HTS 722
Hughes Network Systems 521 910
Humax 910
Hush 792
iBUYPOWER 792
Jerrold 913
JVC 722
Linksys 792
Media Center PC 792
Microsoft 792
Mind 792
Motorola 913
Niveus Media 792
Northgate 792
Pace 914
Panasonic 907
Philips 521 548 906 910
Pioneer 914
Proscan 916
RCA 521 911 916
ReplayTV 907 912
Samsung 521
Scientific Atlanta 914
Sharp 573
Sonic Blue 907
Sony 510 792 905 908 909
Stack 9 792
Supercable 915
Systemax 792
Tagar Systems 792
TiVo 510 520 548 905 906 908 909 910 911
Toshiba 792
Touch 792
UltimateTV 916
Viewsonic 792
Voodoo 792
Zenith 917
ZT Group 792

TV/VCR Combo Codes

Programming for combination equipment: Program the remote control in TV mode using the TV code and then in DVD mode (or in AUX—press 1 before entering the VCR code) using the VCR code.

	TV Code	VCR Code
Aiwa	667	501
Bang & Olufsen	665	537
Colt	660	535
GE	661	675
Magnin	661	675
MGA	661	675
Magnavox	888	797
	887	797
Panasonic	765	799
Penney	661	675
Philips	887	801
Quasar	870	770
	868	770
	860	770
	860	771
	860	806
RCA	503	649
	661	675
	749	775
	830	649
Samsung	755	807
Sanyo	661	675
Sylvania	756	519

TV/DVD Combo Codes

Programming for combination equipment: Program the remote control in TV mode using the TV code and then in DVD mode (or AUX—press 1 before entering the DVD code) using the DVD code.

	TV Code	DVD Code
Apex	757	757
Audiovox	624	630
Axion	636	867
Broksonic	750	752
Cytron	904	904
Magnavox	839	650
	838	679
Panasonic	811	734
Polaroid	671	647
	678	677
	745	635
RCA	830	816
	830	749
	830	703
Sansui	754	754
Sharp	605	573
	898	573
Sylvania	764	764
	672	645
	777	639
	733	764
Toshiba	622	815
	800	646
	908	815
	865	814
	866	815
	750	815

TV/DVD/Tuner Combo Codes

Programming for combination equipment: Program the remote control in TV mode using the TV code, then in DVD mode using the DVD code, and then in AUX mode (press 2 before entering the tuner code) using the tuner code.

	TV Code	DVD Code	Tuner Code
Panasonic	811	734	678

DVD/VCR Combo Codes

Programming for combination equipment: Program the remote control in DVD mode using one of the listed DVD codes, and then in AUX mode, first pressing 1 and then using the listed VCR code.

	DVD Code	VCR Code
GoVideo	693	522
	822	524
Panasonic	734	780
	734	777
RCA	690	528
Sansui	815	515
Sony	817	778

TV/VCR/Tuner Combo Codes

	TV Code	VCR Code	Tuner Code
Panasonic	873	783	836
	874	784	833
	875	785	826
	876	786	825
	877	787	824
	878	788	822
	879	789	821
	880	790	820
	881	791	819
	882	792	818
	883	793	817
	884	794	816
	885	795	815
	889	809	808

TV/DVD/VCR Combo Codes

Programming for combination equipment: Program the remote control in TV mode using the TV code, then in DVD mode using the DVD code, and then in AUX mode (press 1 before entering the VCR code) using the VCR code.

	TV Code	DVD Code	VCR Code
DiamondVision	659	532	641

TROUBLESHOOTING

What's Happening	What's Wrong	What You Can Do
While performing a remote control procedure, the remote control stops working.	If you don't press a button for 20-30 seconds in a programming sequence, the remote shuts off its programming function.	Start over again.
When you press a button on the remote control, the equipment doesn't do what you expect.	• The remote may not be in the mode for the equipment you want to control.	• Press the correct mode button to set the remote to the mode for the equipment you want to control.
	• The remote control needs to be pointed right at the TV (or other equipment).	• The remote control uses IR signals to control all equipment except for the receiver (when using UHF). IR signals travel less than 40 feet, and *cannot* go through walls or other solid objects. You *must* point the remote control directly at the front of the equipment, with *no* objects to block the signal path.
	• The remote control may be missing batteries, the batteries in the remote may be inserted the wrong way, or maybe the batteries are weak or dead.	• If the batteries are missing or dead, put fresh AAA-size batteries in. If the remote has fresh batteries, check whether you put them in the right way. If you didn't, take them out and put them in the right way.
	• The remote isn't set up to control the equipment.	• Make sure you set up the remote to control all the equipment you want to use. See *Program the Remote to Control Your TV* on page C-4 and *Programming for Other Equipment* on page 2.
	• No function is assigned in this equipment mode to the button you pressed.	• Make sure you follow the steps for *Learning From Another Device's Remote* on page 9 to teach your DISH Network remote the button function(s) to control your own equipment.
The receiver does things even though you didn't press any remote control buttons.	UHF signals from a neighbor's remote may be controlling your receiver.	See *Avoiding Remote Conflicts* on page 13 for instructions to correct this problem.
Your picture is snowy (or blue or black).	You have accidentally changed the channel on your TV.	Make sure your TV (and VCR, if one is connected) is tuned to the correct channel. Also try using the RECOVER button as described on page C-6.

What's Happening	What's Wrong	What You Can Do
Your remote control isn't working	• The remote control is in the wrong mode. • You might be using the wrong remote control (TV1 or TV2). • Your batteries are worn out. • The remote control's UHF/IR switch is in the wrong position	• Make sure the remote control is in the correct mode. For example, if you want to use the satellite receiver, put the remote control in SAT mode (see *Remote Control Modes* on page 1). • Make sure you are using the correct remote control (TV1 or TV2) for your locations (multi-room receivers only). • Change the batteries as described on page C-2. • Check the UHF/IR switch setting as described on page 14. ⚠ For all receivers *except* for the DISH Player-DVR 942, ViP® 222/222k, ViP622 and ViP722/722k DVR: leave the UHF/IR switch in the IR position.
When you press the remote control MUTE or VOLUME button, nothing happens.	• The remote control may not be set up. • Maybe you're trying to control TV volume, but you set up the remote to control a tuner or amplifier in AUX mode.	• See *Programming the Remote to Control Your TV* on page C-4 and *Programming for Other Equipment* on page 2. • Set up the remote control to operate *either* TV volume *or* tuner/amplifier volume, whichever you want. See page 6.
Your UHF Pro remote control does not work well from far away.	You may be experiencing interference from objects near your receiver antenna.	• Make sure the UHF antenna is connected to the receiver and not touching anything else. • Vary the tilt angle of the receiver's UHF antenna. Locate the UHF antenna tip away from other electronics equipment or metal surfaces, even if separated by wooden shelving. • Move the receiver to different locations. For best results, place the receiver as high as possible, above all other equipment in your entertainment center. • Place the UHF antenna outside the entertainment center by using a coaxial cable to connect it to the receiver. • Move any nearby off-air antenna away from the UHF remote antenna. Do not place an off-air antenna on your receiver.
Your PIP (Picture-In-Picture) button isn't working.	• Your receiver doesn't use PIP. • Your receiver isn't in Single Mode.	• Upgrade to a receiver with this feature. • Press the MODE button on the front panel (if available).

LIMITED WARRANTY

This *Limited Warranty* is a legal document. Keep it in a safe place. Remember to keep your *Sales Receipt* for warranty service. We will consider any items you return without a copy of the *Proof of Purchase* to be out of warranty.

This warranty extends *only* to the original user (“you,” “your”) of the DISH Network remote control and is *limited* to the purchase price of the remote control. EchoStar Technologies L.L.C., formerly known as EchoStar Technologies Corporation, and its affiliated companies (“we,” “our,” “us”) warrant this remote control against defects in materials or workmanship as follows.

For one year from the original date of purchase, if we find the remote control is defective subject to the limits of this warranty, we will replace the remote at no charge for parts or labor. We warrant any such work done against defects in materials or workmanship for the remaining part of the original warranty period.

This warranty *does not cover* installation of the DISH Network System; consumer instruction; physical set up or adjustment of any consumer electronic equipment; remote control batteries; signal reception problems; loss of use of the equipment; unused programming charges due to equipment malfunction; cosmetic damage; damage due to lightning, electrical or telephone line surges, fire, flood, or other acts of Nature; accident; misuse; abuse; repair or alteration by other than our factory service; negligence; commercial or institutional use; improper or neglected maintenance; equipment sold AS IS or WITH ALL FAULTS; equipment removal or reinstallation; shipping damage if the equipment was not packed and shipped in the manner we prescribe; nor equipment purchased, serviced, or operated outside the contiguous United States of America.

REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. WE SHALL NOT BE HELD LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY ON THIS DEVICE, NOR FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE RESULTING FROM THE USE OF, OR INABILITY TO USE, THIS DEVICE. UNDER NO CIRCUMSTANCES SHALL OUR LIABILITY, IF ANY, EXCEED THE PURCHASE PRICE PAID FOR THIS DEVICE. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS DEVICE IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. WE RESERVE THE RIGHT TO REFUSE TO HONOR THIS WARRANTY IF WE DETERMINE ANY OF THE ABOVE EXCEPTIONS TO HAVE CAUSED THIS DEVICE NOT TO HAVE PERFORMED PROPERLY. THIS WARRANTY SHALL BE VOID IF ANY FACTORY-APPLIED IDENTIFICATION MARK, INCLUDING BUT NOT LIMITED TO SERIAL OR CONDITIONAL ACCESS NUMBERS, HAS BEEN ALTERED OR REMOVED. THIS WARRANTY SHALL ALSO BE VOID IF THE DEVICE HAS BEEN OPENED BY AN UNAUTHORIZED PERSON (with the exception of opening the battery cover).

This warranty gives you specific legal rights which may vary from state to state. Some states do not allow the exclusion or limitations of incidental or consequential damages, or allow limitations on the duration of an implied warranty, so those limitations may not apply to you.

DISH NETWORK'S EXCHANGE PROGRAMS

DISH Network offers two options if you need to replace your remote control; the Advanced Exchange Program and the Post Receipt Exchange Program.

Advance Exchange Program

The Advanced Exchange Program allows you to have a replacement remote shipped immediately to you. Depending upon where you live, the remote should arrive within 3 to 5 business days. You will not have to return your defective remote to DISH Network using this program.

A shipping charge will be applied for shipping the replacement remote. This is a one-time fee based on DISH Network's competitive bulk shipping rates (additional charges may apply outside the continental U.S.). This fee will be charged to your billing account or valid credit card.

Post Receipt Exchange Program

The Post Receipt Exchange Program does require that you send DISH Network the defective remote control at your cost to determine if the equipment is covered under warranty. To provide faster service, upon receipt of your equipment you will be shipped a replacement. Your original equipment will not be available for return.

If your equipment is not covered under warranty and can be repaired, your billing account or credit card will be charged the standard repair fee for the replacement. If damage to the defective equipment is found, which DISH Network in its sole discretion determines has voided the warranty, or makes the equipment unrepairable, your billing account or credit card will be charged the market price of the replacement.

ACCESSORY WARRANTY

An accessory is any DISH Network branded equipment, displaying the DISH Network logo, excluding the receiver, Smart Card, cables and hookups, and non-mechanical components. A one-year warranty becomes effective upon the activation of the DISH system or date of purchase, if bought separately. A proof of purchase is required to verify the purchase date. If an accessory has an expired warranty, no exchange will be issued. You may purchase replacement accessories from DISH Network or your local retailer.

IF YOU NEED HELP

1. Review this *User Guide*.
2. See *Troubleshooting* on page 31.
3. Call the Customer Service Center at 1-800-333-DISH (3474). Have the date of purchase and your customer account number ready.
    a. If the representative finds you should return the remote control, you'll get a telephone number to call for a Return Authorization (RA) number. *Before shipping* any equipment to us, you *must* get a Return Authorization number.
    b. You *must* package returned equipment the right way. Follow the instructions the representative gives you.
    c. Write the RA number in large, clearly visible characters on the *outside* of the shipping box used to return the equipment.
    To avoid confusion and misunderstandings, we will return shipments without an RA number clearly visible on the outside of the box to you at your cost.
    d. We will:
        - Check the remote control, including whether it is covered under the warranty.
        - Replace any remote we find is defective with a new or refurbished remote, if the defective remote is covered under the warranty. We will ship the replacement remote at our expense.
        - If a defective remote is not covered under the warranty, we will tell you. We may assess you a flat rate charge for a replacement remote, including shipping and insurance.

REGULATORY FACTORS

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this device may void your authority to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.Consult the dealer or an experienced radio/TV technician for help.

For all your customer needs,
call the Customer Service Center
at 1-800-333-DISH(3474)

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